

Amendments to the Abstract

Please amend the Abstract as set forth on the following separate page.

ABSTRACT OF THE DISCLOSURE

A camshaft ~~has in which~~ at least two completely machined individual cams ~~are~~ fixedly mounted on a shaft in predetermined angular positions, ~~whereby the~~. The shaft may includes consist in particular of an outside shaft and an inside shaft arranged concentrically in the former, and is to be manufactured in such a way that remachining of the joined camshaft is not necessary. This is by combining the individual cams even before they are mounted on a shaft and joining them to this shaft to form a machining module, such that the individual cams are combined in their mutual arrangement in relation to one another in which the cams are to be mounted on the finished camshaft. The final machining of the cams is performed within this machining module. When the cams are completely machined in this way, the cams are joined to the shaft of the camshaft within the machining module. This ensures that the desired mutual arrangement is maintained, i.e., that remachining is not necessary.

~~To this end, a manufacturing method is proposed in which the following manufacturing steps are provided in chronological order:~~

- ~~— the at least two cams (1, 2, 4) sitting fixedly on the~~
- ~~— shaft are detachably combined to form a machining~~
- ~~— module before being mounted, whereby the first cams (1,~~
- ~~— 2) which are immovable with respect to one another on~~

~~the finished camshaft are aligned in an arrangement~~
~~corresponding to the final arrangement on the shaft,~~
~~- of the radial circumferential surfaces of the cams, at~~
~~least the cam contours of the at least two cams (1, 2,~~
~~4) are completely machined within the machining module,~~
~~- the completely machined cams (1, 2, 4) are fixedly~~
~~mounted on the shaft within the machining module,~~
~~- the first cams (1, 2) which are immovable with respect~~
~~to one another on the finished camshaft are fixedly~~
~~joined to the shaft in their fixed arrangement at least~~
~~with regard to their angular position within the~~
~~machining module,~~
~~- the detachable joining of the cams (1, 2, 4) within the~~
~~machining module is separated, and any positioning aids~~
~~and/or joining aids (3, 5) that may optionally be used~~
~~are removed.~~

(Figure 1)